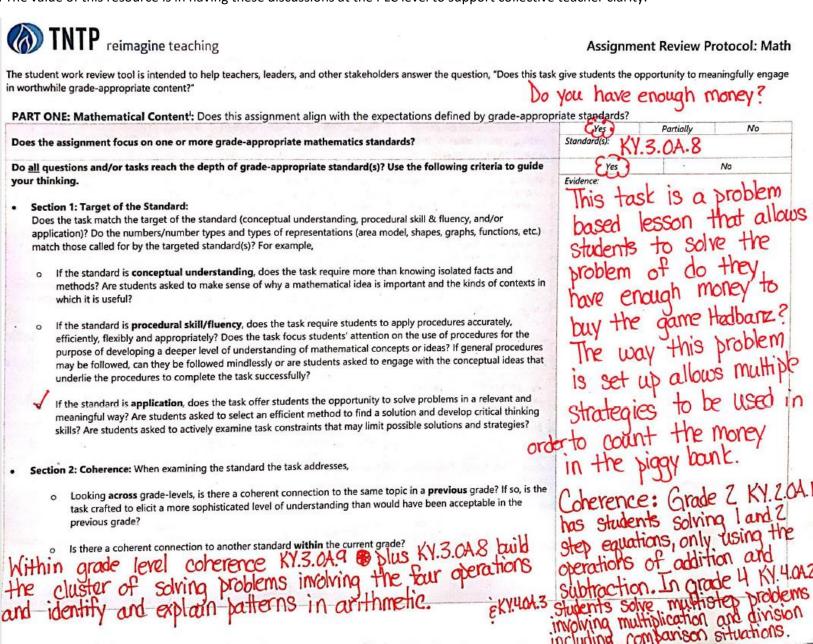
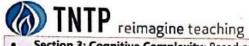
This sample Assignment Review Protocol looks at how well the <u>Task: Do you have enough money? By: Robert Kaplinsky</u> would align to KY.3.OA.8. It is important to note that the identified mathematical practices, coherence connections and any clarifications are possible suggestions; however, they are not the only pathways. The value of this resource is in having these discussions at the PLC level to support collective teacher clarity.





Section 3: Cognitive Complexity: Based on the target of the standard, determine the cognitive complexity of the task.

Target of the Standard	Low (Level 1)	Medium (Level 2)	High (Level 3)
Conceptual Complexity	Solving the problem requires students to recall or recognize a grade-level concept. The student does not need to relate concepts or demonstrate a line of reasoning.	Students may need to relate multiple grade-level concepts or different types, create multiple representations or solutions, or connect concepts with procedures and strategies. The student must do some reasoning but may not need to demonstrate a line of reasoning.	Solving the problem requires students to relate multiple grade-level concepts and to evidence reasoning, planning, analysis, judgment, and/or creative thought OR work with a sophisticated (nontypical) line of reasoning.
Procedural Complexity	Solving the problem entails little procedural demand or procedural demand is below grade level.	Solving the problem entails common or grade-level procedure(s) with friendly numbers.	Solving the problem requires common or grade-level procedure(s) with unfriendly numbers, an unconventional combination of procedures, or requires unusual perseverance or organizational skills in the execution of the procedure(s).
Application Complexity,	Solving the problem entails an application of mathematics, but the required mathematics is either directly indicated or obvious.	Solving the problem entails an application of mathematics and requires an interpretation of the context to determine the procedure or concept (may include extraneous information). The mathematics is not immediately obvious. Solving the problem requires students to decide what to do.	In addition to an interpretation of the context, solving the problem requires recognizing important features, and formulating, computing, and interpreting results as part of a modeling process.

Assignment Review Protocol: Math

count and find the amount of money if it makes sense.

Overall Content Rating

Overall, do the content demands of this assignment align with the expectations defined by grade-appropriate standards?

0 - Weakly Aligned

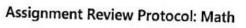
Less than half of the questions on the assignment reach the depth of the targeted grade-appropriate standard(s).

1 - Partially Aligned

More than half (but not all) of the questions on the assignment reach the depth of the targeted grade-appropriate standard(s).

2 - Strongly Aligned
All the questions on the assignment reach the depth of the targeted grade-appropriate standard(s).

^{*}Source: https://www.achieve.org/files/Cognitive%20Complexity%20Mathematics%20Assessment FINAL 0.pdf





PART TWO: Mathematical Practice: Does the assign	ment provide meaningful opportunities f	
appropriate content? Does the target standard(s) explicitly call for use of a sopportunity for students to engage in the mathematical lit may be useful to utilize the front matter of the KAS frand Questions Stems document from the Getting to Kn MPH Students will madel with Counting the groups of Coins Use multiplication instead of	pecific mathematical practices while working on grad pecific mathematical practice? If so, does the task provide all practice named by the standard? Or Mathematics (p. 12-15) and the Engaging the SMPs: Look for white KAS for Mathematics module. The mathematics by Sort and May be they make arrays to	Students engage with MP.1 on making sense of the problem by thinking how to count all the difference amounts of money/coins, see if they have enough to buy the game.
O – Weakly Aligned The assignment does not have students engage with critical mathematical practices while working on grade-appropriate conte	1 - Partially Aligned	The assignment size the deat the
PART THREE: Relevance: Does the assignment give Does the majority of the assignment consist of word pr	students an authentic opportunity to connect content st	tandards to real-world issues and/or contexts? (Yes) No Evidence: Students OVE Droblem Solving
If the assignment connects grade-appropriate, content students to apply math in a meaningful way? Do the provided scenarios make sense in a real-world: Do students have to think critically for each new proble over without having to make sense of the problem? Is rather than students all solving the problem in the same. Does the assignment provide cues (intentionally or uni	em rather than applying the same rote computation over and there likely to be more than one way to solve the problem e way?	Evidence: Pres See if they have enough Mo money. This problem is a real-worth situation where there is one solution but multiple ways to get to the solution.
Overall,	Overall Relevance Rating to what extent does the assignment give students an authentic opports connect content standards to real-world issues and/or contexts?	unity to
0 – Weakly Aligned The assignment does not connect content standards to real world experiences.	1 - Partially Aligned The assignment connects content standards to real-world experiences, but the problems do not allow students to apply math to the real world in a meaningful way.	The assignment connects content standards to real world experiences and allows students to apply math to the real world in a meaningful way. It may also include novel problems.